				Docket Number (Optional)	Application Number	
, IN ORDINATION DISCUSSION CONTRACTOR				UTX-10502/38	10/525,571	
				Applicant(s)		
j	(Use several sheets if necessary)			Pudur Jagadeeswaran Filing Date	Group Art Unit	
•				June 30, 2005	1681 /657	
•EXAMIN	NER		OTHER DOCUMENTS (Including Author, Title	le, Date, Pertinent Pages, Etc.)		
PE	40		Jagadeeswaran et al. "Zebrafish: a genetic model fo	or hemostasis and thrombosis." J Thr	romb Haemost 2004; DOI: 10.1111/	
j. 1538-7836.2004.00999.x.			j. 1538-7836.2004.00999.x.		*	
MAR 30	2006	W		·		
MAN 9 0		Ĕ)—	D. A. 1977 Advanced the big is about the	H Pland Calls Malaculas and Disco	seg (In Press 2004)	
Day et al. "Knockdown of prothrombin in zebrafish." Bloo			Day et al. Knockdown of prothronion in zeoralisi	ii. Biood Celis, Molecules, and Disea	SES (III I 1 CS 2004).	
WEETEN						
			Jagadeeswaran et al. "Developmental Expression o Blood Cells, Molecules, and Diseases 23(9):147-156	f Thrombin in Zebrafish Embryos: A	Novel Model to Study Hemostasis."	
			Dioud Cens, Profecules, and Diseases 45(7):147-150	Tivaus 23, 277171		
- 1	1.		And the second s			
			Fisher et al. "Radiographic analysis of zebrafish sk		y available at least as early as filing	
	.		date of application. INCOMPLETE C	21 TATION		
			Thattliyath et al. "Young thrombocytes initiate the	formation of arterial thrombus in zel	hrafish." Blood First Edition Paper.	
			prepublished online March 15, 2005; DOI 10.1182/	blood-2004-10-4118.	Diansii. Diood I iisi Danion I aper,	
	•			•		
•			Jagadeeswaran. "Zebrafish: a tool to study hemosta	asis and thrombosis." Curr Opin Hen	natol 12:149-152 (2005).	
					·	
			Andrade et al. "The use of the lipophilic fluorochro Immunological Methods 194:181-189 (1996).	me CM-DiI for tracking the migration	on of lymphocytes." Journal of	
	Immunological Methods 194:181-189 (1996).					
	1		•			
			Jagadeeswaran et al. "Effects of Hirudin (Thrombi	n Specific Inhibitor) in Zebrafish Em	bryos: A Developmental Role for	
	1		Thrombin." Blood Cells, Molecules, and Diseases 2	3(21):410-414 (November 15, 1997).		
				•		
			Ahe et al. "Successful Treatment with Splenic Irrae	diation for Idianathic Thrombocutors	enic Purnura associated with	
			Abe et al. "Successful Treatment with Splenic Irrac Primary Immunodeficiency Syndrome." Jpn J Clin	Hematol 40(11):1181-1186 (1999).	cine i di pura associated with	
	1			•	·	
					11 N 1 1 0/2 1 1 1	
	1		Andre et al. "CD40L stabilizes arterial thrombi by (March 2002).	a B3 integrin-dependent mechanism.	" Nature Medicine 8(3):247-252	
					·	
			Balasubramanian et al. "Platelets, circulating tissue factor, and fibrin colocalize in ex vivo thrombi: real-time fluorescence.			
	images of thrombus formation and propagation under defined flow conditions." Blood 100(8):2787-2792 (October 15, 2002					
				•		
	-+		Bresch et al. "A Long-Term Toxicity Test Compris	ing Reproduction and Growth of Zeb	rafish with 4-Chloroaniline." Arch	
N	Environ Contam Toxicol 19:419-427 (1990).					
EXAMINER DATE CONSIDERED						
ROTOMEN			17701600	DATE CONSIDERED		
	14	_	rioner	1/03/0	<i>/</i> ·	
			citation considered, whether or not citation is in conforma		hrough citation if not in conformance	
and not considered. Include copy of this form with next communication to applicant.						

		•	Docket Number (Optional)	Application Number	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			UTX-10502/38	10/525,571	
			Applicant(s) Pudur Jagadeeswaran		
•)		, 000 50.00.00 00.000.00 00.000.000,	Filing Date	Group Art Unit	
			June 30, 2005	1651/657	
*EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
Driever et al. "A genetic screen for mutations affecting embryogenesis in zebrafish." Development 123:37-46 (19			velopment 123:37-46 (1996).		
Rolling Indiana.				*	
Gregory et al. "Selective Labeling of Zebrafish Thrombocytes: Quantitation of Thrombocyte Function and Detection Development." Blood Cells, Molecules, and Diseases 28(3):418-427 (May/June 2002).			ocyte Function and Detection during		
1	Development. Blood Cens, Molecules, and Diseases 26(3):416-427 (May/Julie 2002).				
,					
		Gregory et al. "Genetic Analysis of Hemostasis and Thrombosis Using Vascular Occlusion." Blood Cells, Molecules, and Diseases 29(3):286-295 (Nov/Dec 2002).			
		Diseases 25(5).260-275 (NOVIDEE 2002).			
				(- () (- () - () () () () () (
		Hanumanthaiah et al. "Developmental Expression of Vitamin K-Dependent Gamma-Carboxylase Activity in Zebrafish Embryos: Effect of Warfarin." Blood Cells, Molecules, and Diseases 27(6):992-999 (Nov/Dec 2001).			
		Disability Control of the Control of			
		Hanumanthaiah et al. "Comprehensive Analysis of Factor Genes and Identification of Zebrafish Factor	Blood Coagulation Pathways in Tele	ostei: Evolution of Coagulation	
		2002).	of vini. Blood Cens, Molecules, and	Discuses 25(1).57-00 (July/110g	
	}				
		Hogan et al. "Mouse Models in Coagulation." Thromb Haemost 87:563-574 (2002).			
.					
		Isogai et al. "The Vascular Anatomy of the Developing Zebrafish: An Atlas of Embryonic and Early Larval Development.", Developmental Biology 230:278-301 (2001).			
		Developmental Biology 250:276-501 (2001).			
		,		·	
		Jagadeeswaran et al. "A Hemophilia Model in Zebrafish: Analysis of Hemostasis." Blood Cells, Molecules, and Diseases 23(3):52-57 (February 15, 1997).			
		25(5).52-57 (residary 15, 1997).	•	•	
·					
		Jagadeeswaran et al. "Analysis of Blood Coagulation in the Zebrafish." Blood Cells, Molecules, and Diseases 25(15):239-249 (August 15, 1999).			
		(Angust 20, 2777).			
	<u> </u>				
		Jagadeeswaran et al. "Identification and characterization of zebrafish thrombocytes." British Journal of Haematology 107:731-738 (1999).			
			-		
		Jagadeeswaran et al. "Analysis of Hemostasis in th	ne Zebrafish." Methods in Cell Biolog	y 59:337-357 (1999).	
1	Jagadeeswaran et al. "Haemostatic screening and identification of zebrafish mutants with coagulation pathway defects: an approach to identifying novel haemostatic genes in man." British Journal of Haematology 110:946-956 (2000).				
. 1		, and a second s			
EXAMINER	•	7 Giromen	DATE CONSIDERED		
R 62 vonien 7/25/07					

P09B/REV04

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

<u> </u>		Docket Number (Optional)	Application Number .		
`\	AND A TION DIGGLOCUPE CUTATION	UTX-10502/38	10/525,571		
INFO	RMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) Pudur Jagadeeswaran			
4		Filing Date	Group Art Unit 1651/65 7		
		June 30, 2005	1651/60		
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Tite	le, Date, Pertinent Pages, Etc.)	·		
	Jagadeeswaran et al. "Characterization of Zebrafis Cells, Molecules, and Diseases 26(5):479-489 (Octo	sh Full-Length Prothrombin cDNA a	nd Linkage Group Mapping." Blood		
76	Cens, Molecules, and Diseases 20(5):479-469 (October 2000).				
	Jain. "In Vivo Externalization of Phosphatidylserin Hypercoagulability by the Lipid Peroxidation of Er	ne and Phosphatidylethanolamine in	the Membrane Bilayer and		
1	inspercoagulating by the Espita Letoxidation of Es	Junocytes in Mass. J. Citi Invest. /	7.201-200 (July 1505).		
	Jalbert et al. "Inactivation of the Gene for Anticoagulant Protein C Causes Lethal Perinatal Consumptive Coa Mice." J Clin Invest 102(8):1481-1488 (October 1998).				
	ivitee. J Citi Invest 102(8):1461-1466 (October 19	, , , , , , , , , , , , , , , , , , ,	·		
			·		
	Jayachandran et al. "Effects of ovariectomy on aggregation, secretion, and metalloproteinases in porcine platelets." AJP-Heart 284:1679-1685 (2003).				
	130: 33000 20 00000				
	Joutsi-Korhonen et al. "Detection of reticulated platelets: estimating the degree of fluorescence of platelets stained with thiazole orange." Eur J Haematol 65:66-71 (2000).				
	51112010 0121gc 2321 y 2120122101 00100 71 (2000)				
		•			
•	Kurz et al. "Rat Model of Arterial Thrombosis Induced by Ferric Chloride." Thrombosis Research 60(4):269-280 (November 15, 1990).				
	Lange et al. "Comparison of Testing Acute Toxicity on Embryo of Zebrafish, Brachydanio rerio and RTG-2 Cytotox Possible Alternatives to the Acute Fish Test." Chemosphere 30(11):2087-2102 (1995).				
1 1					
	Michelmore et al. "Identification of markers linked to detect markers in specific genomic regions by usi	to disease-resistance genes by bulke ing sebregating populations." Proc N	d segregant analysis: A rapid method latl Acad Sci USA 88:9828-9832		
	(November 1991).				
	Marrian A. I. IIVI A. I. S. A. I. S. A. B. B. B. B.				
	Morrison et al. "Histological Study of the Development of the Embryo and Early Larva of Oreochromis niloticus (F Cichlidae)." J Morphol 248:172-195 (2001).				
			·		
	Next UD-T. The Kenham Tradicial the Web-Sch David				
	Nagel. "DarT: The Embryo Test with the Zebrafish Danio rerio - a General Model in Ecotoxicology and Toxicology." ALTEX: Alternativen zu Tierexperimenten 19(Supp 1):38-48 (2002).				
	Necessiaise et al. "Effective torgeted gane "Irregalidavent in gehantich " Neture Constinu 26-216-220 (October 2000)				
	Nasevicius et al. "Effective targeted gene 'knockdown' in zebrafish." Nature Genetics 26:216-220 (October 2000).				
	Nechiporuk et al. "Assessment of Polymorphism in	Zebrafish Manning Strains." Genon	ne Research 9:1231-1238 (1999).		
	Nechiporuk et al. "Assessment of Polymorphism in Zebrafish Mapping Strains." Genome Research 9:1231-1238 (1999).				
			\		
EXAMINER		DATE CONSIDERED			
	17 Gutomen	· 7/2	127		

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance, and not considered. Include copy of this form with next communication to applicant.

		Docket Number (Optional)	Application Number	
3	•	" UTX-10502/38	10/525,571	
! INFO	RMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) Pudur Jagadeeswaran		
•		Filing Date June 30, 2005	Group Art Unit 1687 /657	
·		Julie 30, 2005	1001 / 68 /	
•EXAMINER INITIAL	OTHER DOCUMENTS (Including Author	r, Tüle, Date, Pertinent Pages, Etc.)		
Neilson et al. "Incorporation of a Subacute Toxicants in the Aquatic Environment." Eco		st with Zebra Fish into a Hierarchical oxicology and Environmental Safety 20	System for Evaluating the Effect of 1:82-97 (1990).	
	Postlethwait et al. "A Genetic Linkage Map fo	r the Zebrafish." Science 264:699-703	(April 29, 1994).	
	·		·	
Qin et al. "Graft-versus-host reaction (GVHR) in clonal amago salmon, Oncorhynchus rhodurus." Vete and Immunopathy 89:83-89 (2002).			us rhodurus." Veterinary Immunology	
	Reitsma. "Chapter 4 - Genetic Principles Underlying Disorders of Procoagulant and Anticoagulant Proteins" Hemosta and thrombosis: basic principles and clinical practice. Editors: Robert W. Colman et al. Philadelphia: Lippincott Williws (2001).			
	Rifkind et al. "Heinz Body Anemia - An Ultra	structural Study. I. Heinz Body Forma	ition." Blood 25(6):885-896 (June 1965).	
	Rinder et al. "Noninvasive Measurement of Pl Gynecol 170:117-122 (1994)	atelet Kinetics in Normal and Hyperte	nsive Pregnancies." Am J Obstet	
	Rinder et al. "Differences in Platelet alpha-granule Release between Normals and Immune Thrombocytopenic Patients and between Young and Old Platelets." Thromb Haemost 80:457-62 (1998).			
	Rinder et al. "Correlation of Thrombosis With Increased Platelet Turnover in Thrombocytosis." Blood 91(4):1288 (February 15, 1998).			
	Robetorve et al. "Undate on Selected Inherite	Venous Thromhotic Disorders " Am	T Hematol 68:256-268 (2001).	
	Robetorye et al. "Update on Selected Inherited Venous Thrombotic Disorders." Am J Hematol 68:256-268 (2001).			
	Robinson et al. "Two colour analysis of reticul	1-213 (2000).		
		· ·		
	Robinson et al. "In vivo biotinylation studies: mepacrine." British Journal of Haematology 1	specificity of labelling of reticulated pl 08:859-864 (2000).	atelets by thiazole orange and	
1	Rosen et al. "Laser-Induced Noninvasive Vasc Thrombi." Am J Pathol 158(5):1613-1622 (20	Rosen et al. "Laser-Induced Noninvasive Vascular Injury Models in Mice Generate Platelet- and Coagulation-Dependent Thrombi." Am J Pathol 158(5):1613-1622 (2001).		
EXAMINER		DATE CONSIDERED /		
	Routomen	7/23	T/07	

P09B/REV04

•EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

				Docket Number (Optional)	Application Number		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			~ * * •	UTX-10502/38	10/525,571		
			ATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) Pudur Jagadeeswaran			
,	(but deveral sheets y hedessary)			Filing Date	Group Art Unit		
				June 30, 2005	1631/657		
*EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				* · · ·	•		
Saving et al. "Differences in Adhesion Receptor Exp Neonates and Adults." Journal of Pediatric Hemato		Saving et al. "Differences in Adhesion Receptor Ex Neonates and Adults." Journal of Pediatric Hemato					
			Schafer. "Hypercoagulable states: molecular genetics to clinical practice." The Lancet 344:1739-1742 (1994).				
7-11			Sheehan et al. "Demonstration of the extrinsic coagulation pathway in teleostei: Identification of zebrafish coagulation factor VII." PNAS 98(15):8768-8773 (July 17, 2001).				
			Tactor VII. FNAS 76(13):6700-6773 (July 17, 2001).				
			Shimoda et al. "Zebrafish Genetic Map with 2000 N	Microsatellite Markers." Genomics 5	8:219-232 (1999).		
	\vdash		Stohlawetz et al. "Effects of erythropoletin on plate	let reactivity and thrombopoiesis in l	numans." Blood 95(9):2983-2989		
		•	(May 1, 2000).				
•			Streisinger et al. "Production of clones of homozygous diploid zebra fish (Brachydanio rerio)." Nature 291(5813):293-296 (May 28, 1981).				
			Suttie. "The Biochemical Basis of Warfarin Therapy." Adv Exp Med Biol 214:3-16 (1987).				
			Tait et al. "Measurement of membrane phospholipid asymmetry in normal and sickle-cell erythrocytes by means of annexin V binding." J Lab Clin Med 123(5):741-748 (May 1994).				
	 		Takubo. "Reticulated Platelet and its Clinical Signi	fance." Rinsho Byora 50:761-767 (20	002).		
		•					
	+	Williams et al. "Genetics of Arterial Prothrombotic Risk States." Exp Biol Med 226(5):409-419 (2001).					
			Wolf et al. "Erythropoietin Administration Increases Production and Reactivity of Platelets in Dogs." Thromb Haemost 78:1505-1509 (1997).				
			78:1505-1509 (1997).				
	Yin et al. "Prothrombotic phenotype of protein Z deficiency." PNAS 97(12):6734-6738 (June 6, 2000).			June 6, 2000).			
EXAMINER			D (DATE CONSIDERED	/		
			R Gironien	7/287	707		

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

) INF		ATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket Number (Optional) UTX-10502/38 Applicant(s) Pudur Jagadeeswaran	Application Number 10/525,571
`•	•	,	Filing Date June 30, 2005	Group Art Unit
•EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Ti		
INITIAL		Zoller et al. "Thrombophilia as a multigenic diseas	e." Haematologica 84:59-70 (1999).	
126				
		,		
•	*			
				·
		·		
		÷		
EXAMINER	/	2 Geromen	DATE CONSIDERED 7/2.3	107
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				

P09B/REV04